

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-647 Rev. A AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-647 REV. 0

REF FAA STC: SR00949SE

REF EASA STC: 10029107

REF CANADIAN LETTER OF ACCEPTANCE: C-11-0119, C-11-0120, C-11-0121

1.0 PURPOSE

The purpose of this Dart Service Instruction is to add the D119-647-013 Bearpaw Kit to this approval. The D119-647-013 Bearpaw Kit is designed to be compatible with D119-646-211/-212/-213/-214 Skidtubes equipped with training wearplates. The D119-647-013 Bearpaw Kit is also compatible with the D119-646-XXX Skidtubes equipped with standard wearplates/wearpads.

2.0 INSTALLATION

To install D119-647-013 Bearpaw kit on Dart D119-646-XXX Skidtubes equipped with training wearplates refer to Figure 1 & 2 of this Service Instruction as well as the following:

2.1 Jack up the aircraft. Ensure the skidtubes are serviceable in accordance with ICA-D119-646.

2.2 Position D3034-3 Bearpaw on the aft end of each skidtube so that the bearpaw clamps are located on either side of the aft saddle as shown in Figure 1 of this Service Instruction. The Bearpaws should be installed over the training wearplates.

2.3 Attach the D2947 clamps with the hardware shown in Figure 2 of this Service Instruction. Additional AN960JD416 washers may be installed under the nuts to ensure 1.5-4 threads in safety on the bolts. Although not generally necessary, it is also acceptable to replace the AN4-20A bolts with longer or shorter AN4 bolts, if required.

CAUTION: The torque on the nuts should be limited to 20 in-lb (2.3 Nm)

2.4 Lower the aircraft.

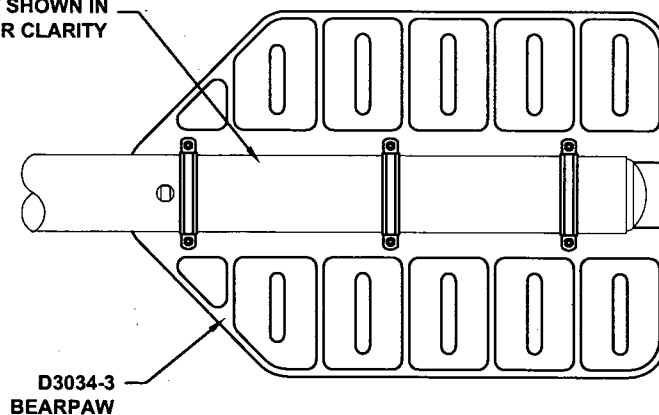
2.5 Update the aircraft log book to indicate installation of the D119-647-013 Bearpaw and adjust the empty weight and balance record for the rotorcraft with the information given in section 5.0 of this service instruction.

3.0 MAINTENANCE

The D119-647-013 Bearpaw Installation should be maintained in accordance with ICA-D119-647.

A	NEW ISSUE	AP	12.04.13
REV.	DESCRIPTION	BY	DATE
DESIGN	AP	DART AEROSPACE USA, INC KENT, WA	
DRAWN	AP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9607	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		BEARPAW INSTALLATION	NTS
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SADDLE NOT SHOWN IN
THIS VIEW FOR CLARITY



D119-646-XXX
SKIDTUBE
WITH TRAINING
WEARPLATES

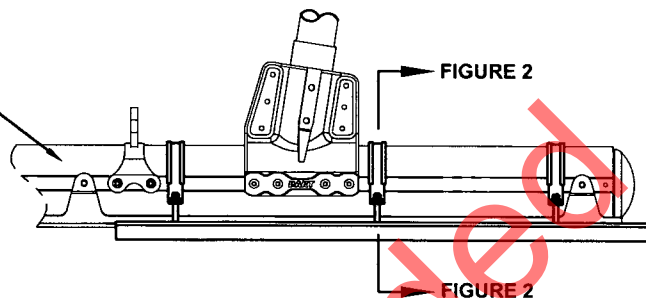


Figure 1 - Bearpaw Location

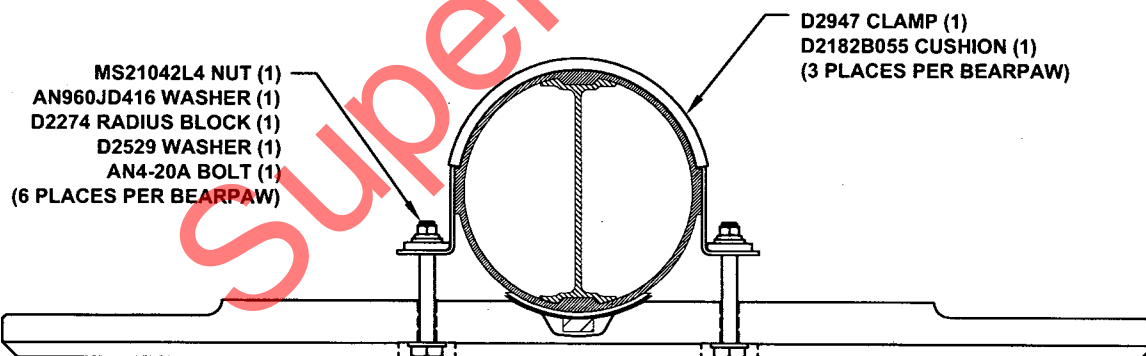
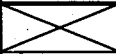


Figure 2 - Bearpaw Installation

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4.0 PARTS LIST

QTY -013	PART NUMBER	DESCRIPTION
	D119-647-013	BEARPAW INSTALLATION
6	D2182B055	CUSHION
12	D2274	RADIUS BLOCK
12	D2529	WASHER
6	D2947	CLAMP
2	D3034-3	BEARPAW
12	AN4-20A	BOLT
12	AN960JD416	WASHER
12	MS21042L4	NUT

5.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D119-647-013 Bearpaw Installation	16.9 lb 7.67 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	173.2 in 4.40 m	2927 in-lb 33.7 kg m-kg

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